

# King County DNRP Water Quality Index

STATION **B319** WATER YEAR **2018**

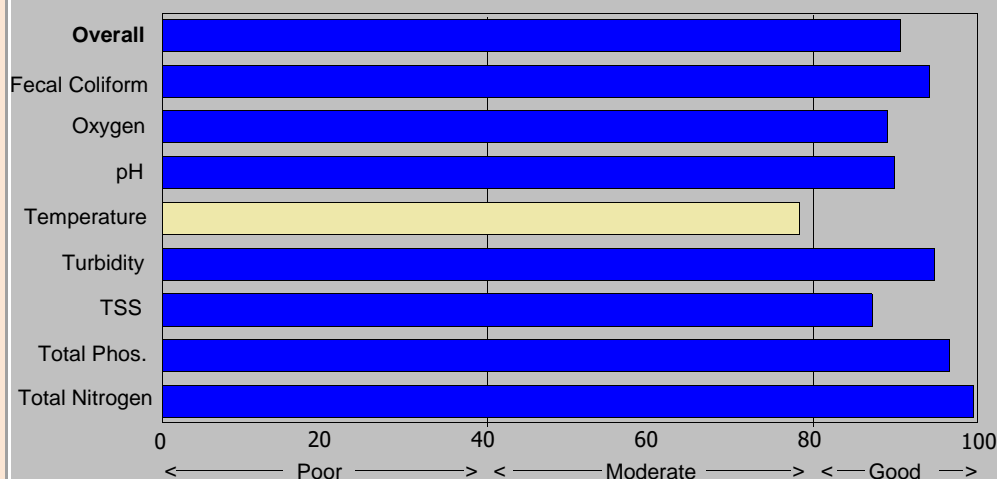
**GAUGE # 40a Green River at 218th AV SE**

**Overall Index 91**

King County has monitored water quality in the Green-Duwamish River at five locations. Station B319 is located upstream of the confluence of Newaukum Creek at the bridge on Southeast Green Valley Road. Sampling began in 1972 and continues today. The Green-Duamish runs 93 miles from the crest of the Cascade Mountains to Elliot Bay. Major alterations to the river system have occurred in the last century including the diversion of the White, Black, and Cedar Rivers to alternate discharge points. The Green-Duamish River is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of the dissolved oxygen standards, and Category 4a for temperature violations.

## Annual Water Quality Index Scores

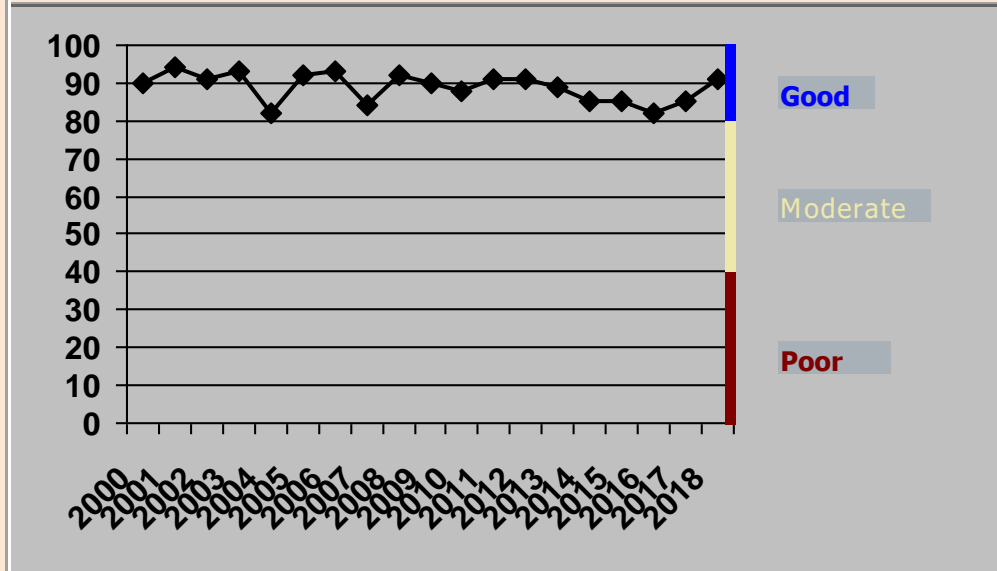
Water quality was GOOD based on data collected 10/1/2017 to 9/30/2018.



## Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
95	99	100	100	98	99	98	98	94	90	90	92

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>